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NATIONAL COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 17, No. 10

WEEKLY REPORT

Week Ending March 9, 1968

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

CURRENT TRENDS
MEASLES – United Stotes

For the week ending March 9, 1968 (week 10), there were 707 cases of measles[1] reported to NCDC. Since the third week of 1968 (week ending January 20), the number of measles cases reported each week has exceeded 500; however, the previously noted low level of reported cases in epidemiologic year[2] 1967-68 compared with the cases reported in 1966-67 is continuing (Figure 1).

During the first 22 weeks of the current epidemiologic year for measles, 9,443 cases were reported to NCDC. This total is 28 percent of the 33,866 cases reported in the comparable period in 1966-67.

[1]The 10th week total for 1968 does not include reports from Arizona and Oklahoma.

[2]The epidemiologic year for measles begins with week 41 of the calendar year and ends with week 40 of the succeeding year.

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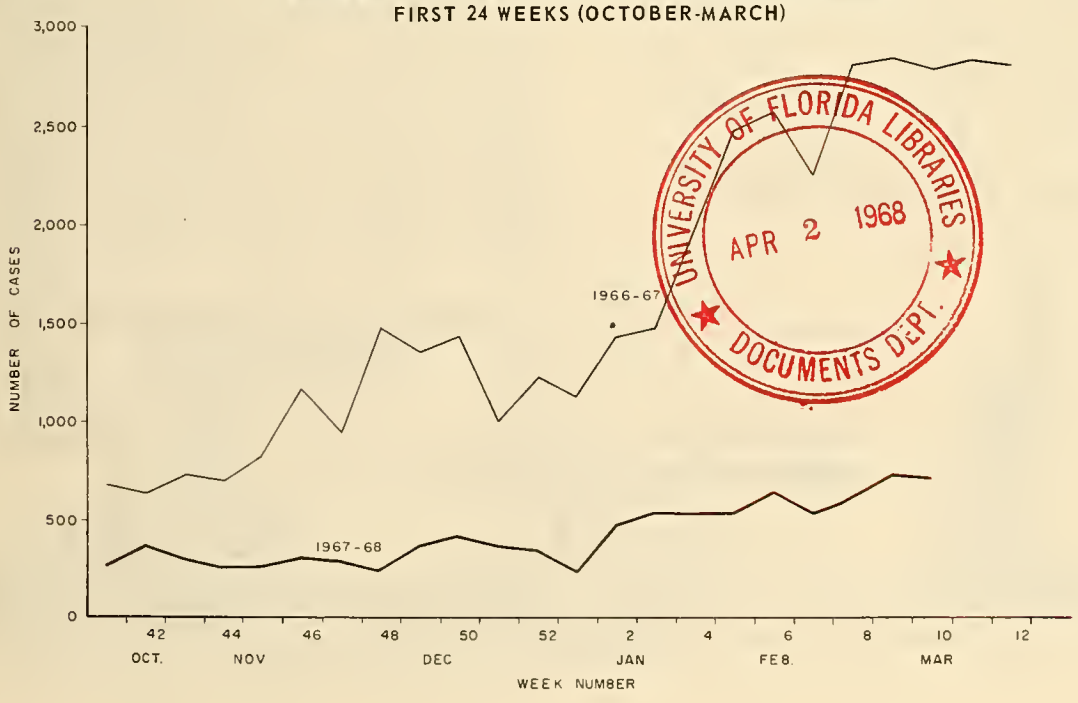
In the 4-week period, January 28 through February 24, 1968 (weeks 5-8), measles was notified from 376 counties or health districts. This is an increase of 30 counties over the 346 counties reporting measles in the previous 4-weeks period (weeks 1-4), but is 289 fewer than the 665 counties or health districts reporting during the comparable 4-week period in 1967. Of these 376 counties, 56 (15 percent) reported a total of 10 or more cases (Figure 2)

(Continued on page 86)

Figure 1
REPORTED CASES OF MEASLES BY WEEK, UNITED STATES
EPIDEMIOLOGIC YEAR 1967-68 COMPARED WITH 1966-67
FIRST 24 WEEKS (OCTOBER-MARCH)



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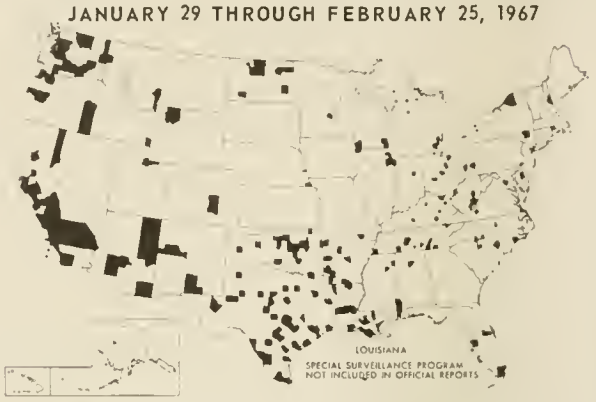
MEASLES – *(Continued from front page)*

Figure 2
COUNTIES OR HEALTH DISTRICTS REPORTING
A TOTAL OF 10 OR MORE CASES OF MEASLES
JANUARY 28 THROUGH FEBRUARY 24, 1968

Figure 3
COUNTIES OR HEALTH DISTRICTS REPORTING
A TOTAL OF 10 OR MORE CASES OF MEASLES
JANUARY 29 THROUGH FEBRUARY 25, 1967



as contrasted with 203 of 665 counties (31 percent) reporting a total of 10 or more cases during the comparable 4-week period in 1967 (Figure 3).

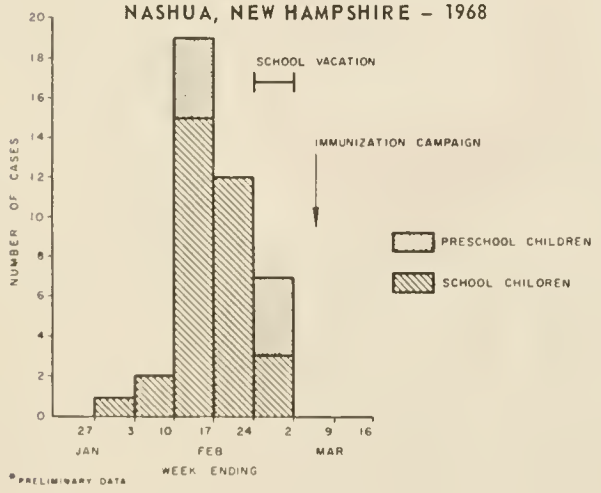
Most of the nine geographic divisions showed significant decreases in the number of counties or health districts reporting a total of 10 or more measles cases in the 4-week period, January 28 through February 24, 1968, over the corresponding period in 1966-67. Two divisions, the West North Central and the Mountain, recorded less than 10 cases from any county. Only 19 cases recorded counties reporting a total of 10 or more cases in this 4-week period in 1968 as compared with 40 states recording counties reporting 10 or more cases in the comparable 4-week period in 1967. Of these 19 states, 11 (58 percent) had only one county reporting a total of 10 or more cases, as contrasted with 12 of 40 states (30 percent) with only one county reporting a total of 10 or more cases during the corresponding 4-week period in 1967.

(Reported by State Services Section and Statistics Section, NCDC.)

EPIDEMIOLOGIC NOTES AND REPORTS
MEASLES – Nashua, New Hampshire

During February and March 1968, an outbreak of measles occurred in Nashua (population 45,000), New Hampshire. By March 5, a total of 52 cases had occurred; these included reported cases and unrecorded cases usually found among siblings of reported cases. The epidemic peak occurred in the week ending February 17 when 19 cases were noted (Figure 4). Epidemiologic data were obtained on 41 of the 52 patients and showed that 52 percent of the cases were in children age 8 years or older in grade three or above (Figure 5).

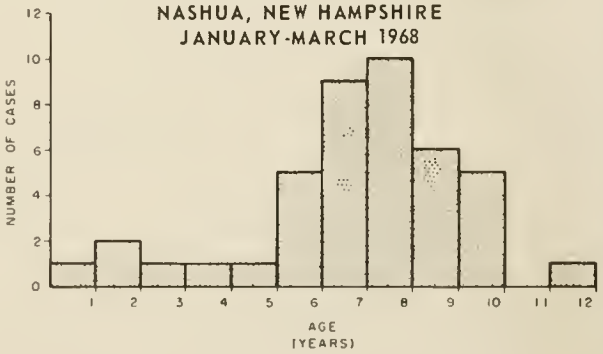
Figure 4
MEASLES CASES BY DATE OF ONSET*
NASHUA, NEW HAMPSHIRE – 1968



Because schools were closed for vacation February 26 through March 1, an epidemic control immunization program was held on March 6. During the morning of March 6, four teams comprised of local physicians, using jet injector guns and measles vaccine from the NCDC epidemic aid stockpile, visited 16 public and parochial schools.

A total of 1,625 school children (22 percent of school enrollment) in grades one through six were immunized; 285 preschool children were immunized in two afternoon clinics for a total of 1,910 immunized children. A follow-up clinic is scheduled for March 23. Personnel from the

Figure 5
AGE DISTRIBUTION OF 42 CASES OF MEASLES
NASHUA, NEW HAMPSHIRE
JANUARY-MARCH 1968



New Hampshire State Department of Health and Welfare plan to conduct an immune status survey soon to locate any other covert susceptibles and to direct future vaccine distribution.

(Reported by William M. Prince, M. D., Director, Division of Communicable Disease, New Hampshire State Department of Health and Welfare; Sidney Curelop, M. D., Chairman, Nashua Board of Health; and an EIS Officer.)

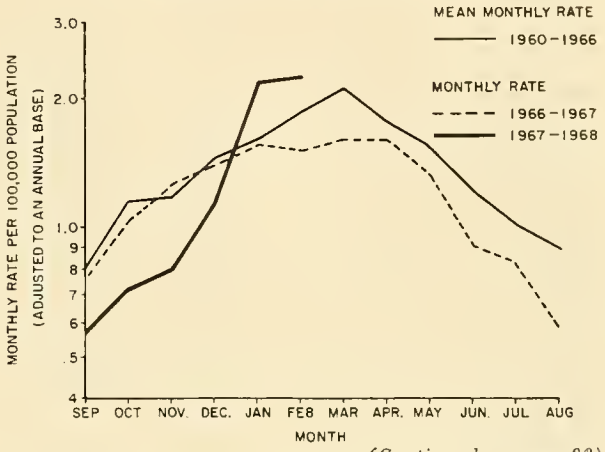
CURRENT TRENDS
MENINGOCOCCAL DISEASE – 1968

The adjusted incidence rate of meningococcal infections in the United States for February 1968 (2.23 cases per 100,000 population) is approximately 48 percent higher than the rate of 1.51 cases per 100,000 reported in February 1967 (Figure 6). Of the 735 cases reported to NCDC during the first 9 weeks of 1968, military cases accounted 8 percent. The West South Central, South Atlantic, and Middle Atlantic geographic divisions account for 24, 22, and 15 percent, respectively, of the reported cases.

Of 162 meningococcal strains submitted to NCDC between January 1 and March 5, 1968, 46 percent were Serogroup B and 43 percent were Serogroup C. During 1967, Serogroups B and C comprised 66 and 21 percent of 367 meningococcal isolates submitted to NCDC.

Of the 1968 group C isolates, 69 have been tested for sulfonamide sensitivity, and 24 (35 percent) were inhibited by 1.0 mg. percent or less of sulfadiazine. In 1967, 60 percent of all group C strains were inhibited at similar concentrations of sulfadiazine.

Figure 6
MONTHLY INCIDENCE OF MENINGOCOCCAL INFECTIONS – UNITED STATES



(Continued on page 92)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Totals include revised and delayed reports)

DISEASE	10th WEEK ENDED		MEDIAN	CUMULATIVE, FIRST 10 WEEKS		
	March 9, 1968	March 10, 1967	1963 - 1967	1968	1967	MEDIAN 1963 - 1967
Aseptic meningitis	28	28	25	265	267	267
Brucellosis	2	6	5	10	36	38
Diphtheria	—	3	3	29	28	38
Encephalitis, primary:						
Arthropod-borne & unspecified	15	22	---	147	216	---
Encephalitis, post-infectious	11	14	---	84	106	---
Hepatitis, serum	85	43	901	663	361	8,187
Hepatitis, infectious	936	858		8,159	7,826	
Malaria	54	62	2	465	387	21
Measles (rubeola)	699	2,788	12,148	5,557	21,673	83,059
Meningococcal infections, total	100	76	83	835	602	602
Civilian	86	69	---	763	555	---
Military	14	7	---	72	47	---
Mumps	7,060	---	---	49,952	---	---
Poliomyelitis, total	5	—	—	9	2	2
Paralytic	5	—	—	9	2	2
Rubella (German measles)	1,305	1,655	---	8,174	9,055	---
Streptococcal sore throat & scarlet fever	12,787	13,838	12,830	114,740	121,045	111,121
Tetanus	5	3	2	20	29	35
Tularemia	—	3	3	15	23	43
Typhoid fever	8	8	8	38	55	58
Typhus, tick-borne (Rky. Mt. spotted fever)	—	2	—	3	8	6
Rabies in animals	87	88	86	714	779	730

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: Conn.-1	1	Rabies in man:	—
Botulism:	—	Rubella, Congenital Syndrome: Md.-1	3
Leptospirosis:	3	Trichinosis:	6
Plague:	—	Typhus, murine:	2
Psittacosis: Wis.-1	6		

No report from Oklahoma due to weather conditions; and no report from Arizona

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 9, 1968 and MARCH 11, 1967 (10th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA
					Primary including unsp. cases		Post-Infectious	Serum	Infectious		
	1968	1967	1968	1968	1968	1967	1968	1968	1968	1967	1968
UNITED STATES...	28	28	2	-	15	22	11	85	936	858	54
NEW ENGLAND.....	1	1	-	-	1	4	1	2	29	29	1
Maine.....	-	-	-	-	-	-	-	-	*4	3	-
New Hampshire.....	-	-	-	-	-	-	-	-	4	1	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	1	1	-	-	-	2	1	1	10	16	-
Rhode Island.....	-	-	-	-	1	1	-	1	4	3	-
Connecticut.....	-	-	-	-	-	1	-	-	7	6	1
MIDDLE ATLANTIC.....	1	2	-	-	2	4	-	36	139	130	2
New York City.....	-	2	-	-	-	4	-	29	48	44	-
New York, up-State.	1	-	-	-	2	-	-	3	18	43	-
New Jersey.....	-	-	-	-	-	-	-	4	49	19	1
Pennsylvania.....	-	-	-	-	-	-	-	-	24	24	1
EAST NORTH CENTRAL...	2	3	-	-	4	1	1	1	157	129	2
Ohio.....	-	1	-	-	1	1	-	-	45	34	1
Indiana.....	-	-	-	-	-	-	-	-	9	9	-
Illinois.....	-	2	-	-	2	-	1	-	60	53	1
Michigan.....	2	-	-	-	1	-	-	1	31	27	-
Wisconsin.....	-	-	-	-	-	-	-	-	12	6	-
WEST NORTH CENTRAL...	1	2	1	-	1	-	1	-	54	48	-
Minnesota.....	-	2	-	-	-	-	1	-	8	15	-
Iowa.....	-	-	1	-	-	-	-	-	22	17	-
Missouri.....	1	-	-	-	1	-	-	-	16	15	-
North Dakota.....	-	-	-	-	-	-	-	-	1	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	1	1	-
Kansas.....	-	-	-	-	-	-	-	-	6	-	-
SOUTH ATLANTIC.....	7	4	-	-	3	4	-	6	83	94	36
Delaware.....	-	-	-	-	-	-	-	-	3	4	-
Maryland.....	4	1	-	-	-	3	-	6	13	17	3
Dist. of Columbia..	-	-	-	-	1	-	-	-	2	1	-
Virginia.....	-	-	-	-	2	1	-	-	6	12	1
West Virginia.....	-	-	-	-	-	-	-	-	4	8	-
North Carolina.....	-	-	-	-	-	-	-	-	5	7	4
South Carolina.....	-	-	-	-	-	-	-	-	-	1	-
Georgia.....	-	-	-	-	-	-	-	-	35	29	28
Florida.....	3	3	-	-	-	-	-	-	15	15	-
EAST SOUTH CENTRAL...	4	1	-	-	-	1	1	1	68	53	-
Kentucky.....	-	1	-	-	-	-	-	-	34	28	-
Tennessee.....	-	-	-	-	-	1	1	1	20	18	-
Alabama.....	4	-	-	-	-	-	-	-	7	3	-
Mississippi.....	-	-	-	-	-	-	-	-	7	4	-
WEST SOUTH CENTRAL...	-	2	1	-	-	2	-	1	70	116	-
Arkansas.....	-	-	-	-	-	-	-	-	5	1	-
Louisiana.....	-	1	-	-	-	1	-	-	13	8	-
Oklahoma.....	---	-	---	---	---	1	---	---	---	5	---
Texas.....	-	1	1	-	-	-	-	1	52	102	-
MOUNTAIN.....	-	-	-	-	-	-	2	-	60	63	5
Montana.....	-	-	-	-	-	-	-	-	8	4	-
Idaho.....	-	-	-	-	-	-	1	-	2	4	-
Wyoming.....	-	-	-	-	-	-	-	-	-	2	-
Colorado.....	-	-	-	-	-	-	-	-	31	7	5
New Mexico.....	-	-	-	-	-	-	1	-	4	23	-
Arizona.....	---	-	---	---	---	-	---	---	---	15	---
Utah.....	-	-	-	-	-	-	-	-	11	-	-
Nevada.....	-	-	-	-	-	-	-	-	4	8	-
PACIFIC.....	12	13	-	-	4	6	5	38	276	196	8
Washington.....	1	2	-	-	-	2	-	-	21	22	-
Oregon.....	-	-	-	-	-	-	-	-	20	28	-
California.....	10	11	-	-	4	4	5	38	233	145	8
Alaska.....	-	-	-	-	-	-	-	-	-	1	-
Hawaii.....	1	-	-	-	-	-	-	-	2	-	-
Puerto Rico.....	-	-	-	-	-	-	-	-	12	11	-

*Delayed Reports: Hepatitis, infectious: Me. 3

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 9, 1968 and MARCH 11, 1967 (10th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
		Cumulative			Cumulative			Total	Paralytic		
	1968	1968	1967	1968	1968	1967	1968	1968	1968	Cum. 1968	1968
UNITED STATES...	699	5,557	21,673	100	835	602	7,060	5	5	9	1,305
NEW ENGLAND.....	43	252	222	5	41	24	539	-	-	-	202
Maine.....	-	9	31	-	2	1	*48	-	-	-	*9
New Hampshire.....	12	41	56	-	2	1	*33	-	-	-	-
Vermont.....	-	5	20	-	1	-	51	-	-	-	1
Massachusetts.....	18	126	71	5	22	12	287	-	-	-	58
Rhode Island.....	1	2	21	-	4	-	-	-	-	-	47
Connecticut.....	12	69	23	-	10	10	120	-	-	-	87
MIDDLE ATLANTIC.....	66	682	715	22	132	78	368	-	-	-	186
New York City.....	11	122	111	12	49	14	105	-	-	-	59
New York, Up-State.	36	380	158	1	10	22	NN	-	-	-	15
New Jersey.....	15	129	197	6	35	31	263	-	-	-	111
Pennsylvania.....	4	51	249	3	38	11	NN	-	-	-	1
EAST NORTH CENTRAL...	178	1,486	1,710	8	78	55	1,448	-	-	-	260
Ohio.....	8	109	278	2	19	22	49	-	-	-	36
Indiana.....	23	229	202	-	10	5	133	-	-	-	16
Illinois.....	61	659	215	4	16	11	141	-	-	-	34
Michigan.....	11	96	383	1	24	12	553	-	-	-	58
Wisconsin.....	75	393	632	1	9	5	572	-	-	-	116
WEST NORTH CENTRAL...	7	117	940	8	38	30	853	-	-	-	82
Minnesota.....	-	2	42	-	6	5	19	-	-	-	4
Iowa.....	1	38	166	-	3	5	605	-	-	-	57
Missouri.....	-	6	21	2	6	9	103	-	-	-	12
North Dakota.....	3	47	379	1	2	-	60	-	-	-	5
South Dakota.....	-	3	35	1	4	4	NN	-	-	-	-
Nebraska.....	3	14	297	3	4	6	31	-	-	-	2
Kansas.....	-	7	NN	1	13	1	35	-	-	-	2
SOUTH ATLANTIC.....	59	433	2,177	19	182	113	308	-	-	-	83
Delaware.....	-	2	20	-	-	5	-	-	-	-	-
Maryland.....	2	32	39	1	11	14	-	-	-	-	18
Dist. of Columbia..	-	4	6	-	5	-	20	-	-	-	-
Virginia.....	23	87	585	2	14	11	130	-	-	-	30
West Virginia.....	*2	111	458	-	3	12	100	-	-	-	15
North Carolina.....	7	45	522	2	41	26	NN	-	-	-	-
South Carolina.....	2	16	43	3	38	8	3	-	-	-	5
Georgia.....	-	3	9	11	32	13	-	-	-	-	-
Florida.....	23	133	495	-	38	24	55	-	-	-	15
EAST SOUTH CENTRAL...	9	100	2,690	4	62	61	1,807	-	-	-	24
Kentucky.....	*-	37	883	2	24	18	-	-	-	-	*9
Tennessee.....	1	16	796	1	15	28	1,778	-	-	-	14
Alabama.....	3	22	561	1	12	9	16	-	-	-	1
Mississippi.....	5	25	450	-	11	6	13	-	-	-	-
WEST SOUTH CENTRAL...	201	1,348	7,974	8	185	103	442	-	-	4	97
Arkansas.....	-	-	1,112	-	10	8	-	-	-	-	-
Louisiana.....	-	1	39	2	44	42	2	-	-	-	3
Oklahoma.....	---	43	2,401	---	38	5	---	---	---	-	---
Texas.....	201	1,304	4,422	6	93	48	440	-	-	4	94
MOUNTAIN.....	23	287	1,336	2	10	16	238	-	-	-	24
Montana.....	1	62	170	-	1	-	39	-	-	-	2
Idaho.....	3	10	133	-	2	1	18	-	-	-	3
Wyoming.....	2	30	12	-	-	-	19	-	-	-	-
Colorado.....	15	97	304	-	4	7	136	-	-	-	17
New Mexico.....	2	32	202	-	-	3	13	-	-	-	-
Arizona.....	---	53	293	---	1	2	---	---	---	-	---
Utah.....	-	1	79	-	-	1	3	-	-	-	2
Nevada.....	-	2	143	2	2	2	10	-	-	-	-
PACIFIC.....	113	852	3,909	24	107	122	1,057	5	5	5	347
Washington.....	23	254	1,992	1	16	8	199	-	-	-	114
Oregon.....	25	207	486	1	10	10	36	-	-	-	13
California.....	64	370	1,321	16	73	102	761	**5	**5	5	208
Alaska.....	-	-	64	-	-	2	16	-	-	-	4
Hawaii.....	1	21	46	6	8	-	45	-	-	-	8
Puerto Rico.....	20	92	618	-	12	7	28	-	-	-	1

*Delayed Reports: Measles: W. Va. delete 8, Ky. delete 1
Mumps: Me. 22, N. H. 18
Rubella: Me. 5, Ky. 1

**Poliomyelitis, paralytic: Calif. 5 cases out of state

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 9, 1968 and MARCH 11, 1967 (10th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968
UNITED STATES...	12,787	5	20	-	15	8	38	-	3	87	714
NEW ENGLAND.....	1,959	-	-	-	-	-	2	-	-	5	17
Maine.....	*73	-	-	-	-	-	-	-	-	5	17
New Hampshire.....	41	-	-	-	-	-	-	-	-	-	-
Vermont.....	71	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	223	-	-	-	-	-	1	-	-	-	-
Rhode Island.....	161	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,390	-	-	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	563	-	5	-	-	1	6	-	-	1	7
New York City.....	9	-	3	-	-	-	4	-	-	-	-
New York, Up-State.	488	-	2	-	-	-	1	-	-	-	4
New Jersey.....	NN	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	66	-	-	-	-	1	1	-	-	1	3
EAST NORTH CENTRAL...	1,607	-	2	-	3	1	5	-	-	2	39
Ohio.....	145	-	-	-	1	-	4	-	-	1	20
Indiana.....	275	-	-	-	-	-	-	-	-	-	7
Illinois.....	376	-	1	-	1	1	1	-	-	-	4
Michigan.....	506	-	1	-	1	-	-	-	-	-	3
Wisconsin.....	305	-	-	-	-	-	-	-	-	1	5
WEST NORTH CENTRAL...	718	-	1	-	4	-	2	-	-	15	139
Minnesota.....	28	-	-	-	-	-	-	-	-	3	36
Iowa.....	163	-	-	-	-	-	-	-	-	2	33
Missouri.....	11	-	1	-	2	-	2	-	-	1	30
North Dakota.....	234	-	-	-	-	-	-	-	-	8	28
South Dakota.....	55	-	-	-	1	-	-	-	-	-	-
Nebraska.....	*174	-	-	-	-	-	-	-	-	-	5
Kansas.....	53	-	-	-	1	-	-	-	-	1	7
SOUTH ATLANTIC.....	1,029	-	2	-	3	4	10	-	2	10	86
Delaware.....	5	-	-	-	-	-	-	-	-	-	-
Maryland.....	267	*-	-	-	-	2	3	-	-	-	2
Dist. of Columbia..	17	-	-	-	-	-	-	-	-	-	-
Virginia.....	317	-	1	-	-	-	1	-	2	5	47
West Virginia.....	231	-	-	-	-	-	-	-	-	1	9
North Carolina.....	5	-	1	-	2	1	2	-	-	-	2
South Carolina.....	8	-	-	-	-	-	-	-	-	-	-
Georgia.....	17	-	-	-	1	-	1	-	-	-	5
Florida.....	162	-	-	-	-	1	3	-	-	4	21
EAST SOUTH CENTRAL...	2,043	1	2	-	3	1	7	-	1	39	250
Kentucky.....	553	-	-	-	1	-	1	-	-	17	110
Tennessee.....	1,262	-	-	-	2	1	5	-	-	22	130
Alabama.....	120	-	1	-	-	-	-	-	-	-	10
Mississippi.....	108	1	1	-	-	-	1	-	1	-	-
WEST SOUTH CENTRAL...	783	2	3	-	-	-	2	-	-	8	129
Arkansas.....	23	-	-	-	-	-	-	-	-	1	11
Louisiana.....	2	2	2	-	-	-	1	-	-	-	18
Oklahoma.....	---	---	-	---	-	---	1	---	-	---	36
Texas.....	758	-	1	-	-	-	-	-	-	7	64
MOUNTAIN.....	2,126	-	-	-	2	-	-	-	-	3	10
Montana.....	74	-	-	-	-	-	-	-	-	-	-
Idaho.....	186	-	-	-	-	-	-	-	-	-	-
Wyoming.....	*298	-	-	-	-	-	-	-	-	-	1
Colorado.....	1,315	-	-	-	1	-	-	-	-	-	-
New Mexico.....	124	-	-	-	-	-	-	-	-	3	4
Arizona.....	---	---	-	---	-	---	-	---	-	---	5
Utah.....	129	-	-	-	1	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1,959	2	5	-	-	1	4	-	-	4	37
Washington.....	341	-	-	-	-	-	-	-	-	-	-
Oregon.....	205	-	-	-	-	-	-	-	-	-	-
California.....	1,230	2	5	-	-	1	4	-	-	4	37
Alaska.....	26	-	-	-	-	-	-	-	-	-	-
Hawaii.....	157	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	9	-	-	-	-	-	-	-	-	1	6

*Delayed Reports: SST: Me. 25, Neb. 4, Wyo. 140
Tetanus: Md. 1 case 1967

Week No. 10

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MARCH 9, 1968

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
NEW ENGLAND:	805	513	43	27
Boston, Mass.	265	157	22	13
Bridgeport, Conn.	43	25	4	3
Cambridge, Mass.	34	26	-	1
Fall River, Mass.	28	20	1	1
Hartford, Conn.	65	36	-	4
Lowell, Mass.	22	16	1	-
Lynn, Mass.	23	16	1	-
New Bedford, Mass.	36	27	-	-
New Haven, Conn.	44	26	2	-
Providence, R. I.	73	50	3	-
Somerville, Mass.	16	11	1	-
Springfield, Mass.	60	38	5	3
Waterbury, Conn.	36	23	1	1
Worcester, Mass.	60	42	2	1
MIDDLE ATLANTIC:	3,550	2,109	176	143
Albany, N. Y.	53	33	2	5
Allentown, Pa.	43	28	1	2
Buffalo, N. Y.	154	89	4	8
Camden, N. J.	49	19	4	3
Elizabeth, N. J.	43	24	1	1
Erie, Pa.	39	27	4	2
Jersey City, N. J.	93	57	4	7
Newark, N. J.	86	39	9	6
New York City, N. Y.	1,813	1,114	79	53
Paterson, N. J.	47	29	4	1
Philadelphia, Pa.*	525	304	19	23
Pittsburgh, Pa.	197	103	14	8
Reading, Pa.	35	25	2	2
Rochester, N. Y.	110	58	12	10
Schenectady, N. Y.	21	13	-	1
Scranton, Pa.	45	29	6	1
Syracuse, N. Y.	72	38	2	4
Trenton, N. J.	53	33	2	3
Utica, N. Y.	35	26	5	1
Yonkers, N. Y.	37	21	2	2
EAST NORTH CENTRAL:	2,713	1,570	94	114
Akron, Ohio	56	25	-	6
Canton, Ohio	36	18	5	-
Chicago, Ill.	769	431	31	30
Cincinnati, Ohio	218	139	7	8
Cleveland, Ohio	224	118	2	14
Columbus, Ohio	140	82	3	9
Dayton, Ohio	106	65	1	2
Detroit, Mich.	348	194	9	13
Evansville, Ind.	39	25	3	2
Flint, Mich.	53	24	5	3
Fort Wayne, Ind.	49	28	3	1
Gary, Ind.	18	9	2	1
Grand Rapids, Mich.	61	44	5	1
Indianapolis, Ind.	159	96	2	6
Madison, Wis.	55	37	1	3
Milwaukee, Wis.	115	75	2	6
Peoria, Ill.	34	14	1	1
Rockford, Ill.	34	22	4	2
South Bend, Ind.	41	21	3	1
Toledo, Ohio	110	72	4	3
Youngstown, Ohio	48	31	1	2
WEST NORTH CENTRAL:	901	568	30	34
Des Moines, Iowa	53	39	5	2
Duluth, Minn.	23	19	2	-
Kansas City, Kans.	60	40	7	2
Kansas City, Mo.	144	87	3	7
Lincoln, Nebr.	29	21	1	-
Minneapolis, Minn.	126	75	1	5
Omaha, Nebr.	74	45	-	7
St. Louis, Mo.	245	156	3	8
St. Paul, Minn.	69	36	2	2
Wichita, Kans.	78	50	6	1
SOUTH ATLANTIC:	1,255	659	67	77
Atlanta, Ga.	134	64	7	6
Baltimore, Md.	278	140	14	26
Charlotte, N. C.	49	18	2	4
Jacksonville, Fla.	70	32	5	6
Miami, Fla.	94	53	1	2
Norfolk, Va.	59	36	8	2
Richmond, Va.	84	49	3	2
Savannah, Ga.	45	18	6	1
St. Petersburg, Fla.	105	82	1	2
Tampa, Fla.	88	54	7	7
Washington, D. C.	223	99	13	19
Wilmington, Del.	26	14	-	-
EAST SOUTH CENTRAL:	640	344	32	34
Birmingham, Ala.	91	39	1	9
Chattanooga, Tenn.	40	22	5	2
Knoxville, Tenn.	40	22	1	1
Louisville, Ky.	124	69	14	4
Memphis, Tenn.	133	65	4	8
Mobile, Ala.	64	39	-	4
Montgomery, Ala.	34	25	5	4
Nashville, Tenn.	114	63	2	2
WEST SOUTH CENTRAL:	1,234	671	64	61
Austin, Tex.	53	34	15	2
Baton Rouge, La.	30	16	1	3
Corpus Christi, Tex.	30	15	2	1
Dallas, Tex.	170	88	5	10
El Paso, Tex.	52	28	2	5
Fort Worth, Tex.	74	40	2	2
Houston, Tex.	251	132	8	11
Little Rock, Ark.	57	28	5	1
New Orleans, La.	217	117	10	10
Oklahoma City, Okla.	78	39	1	5
San Antonio, Tex.	109	68	1	7
Shreveport, La.	51	26	8	2
Tulsa, Okla.	62	40	4	2
MOUNTAIN:	446	287	22	17
Albuquerque, N. Mex.	40	21	5	2
Colorado Springs, Colo.	24	16	5	1
Denver, Colo.	111	70	4	6
Ogden, Utah	14	11	1	-
Phoenix, Ariz.	120	75	1	4
Pueblo, Colo.	25	17	2	2
Salt Lake City, Utah	56	39	2	2
Tucson, Ariz.	56	38	2	-
PACIFIC:	1,625	1,014	32	56
Berkeley, Calif*	21	15	-	-
Fresno, Calif.	57	36	-	2
Glendale, Calif.	31	22	-	-
Honolulu, Hawaii	56	27	-	3
Long Beach, Calif.	76	55	2	3
Los Angeles, Calif.	511	329	9	18
Oakland, Calif.	92	51	3	4
Pasadena, Calif.	35	30	-	1
Portland, Oreg.	140	84	6	5
Sacramento, Calif.	50	29	1	1
San Diego, Calif.	89	50	1	4
San Francisco, Calif.	184	115	2	2
San Jose, Calif.	33	16	-	1
Seattle, Wash.	151	88	6	8
Spokane, Wash.	54	36	2	-
Tacoma, Wash.	45	31	-	4
Total	13,169	7,735	560	563

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	141,833
All Causes, Age 65 and over	84,887
Pneumonia and Influenza, All Ages	7,951
All Causes, Under 1 Year of Age	6,117

MENINGOCOCCAL – *(Continued from page 87)*

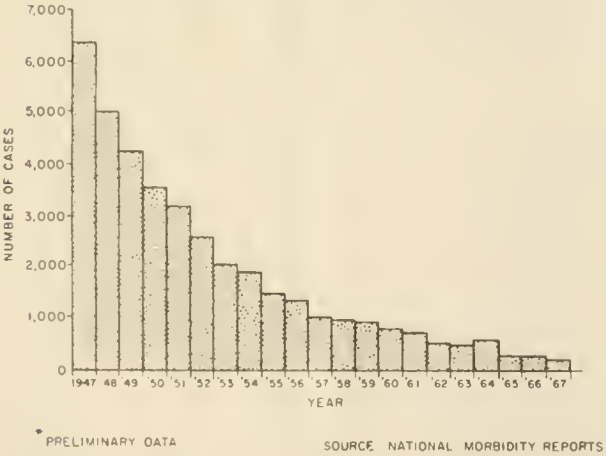
Sulfadiazine sensitivity of 1968 group B isolates is closely following the pattern for 1967. Of 75 group B isolates, 46 (61 percent) were inhibited by 1.0 mg. percent or less of sulfadiazine. Similarly, 58 percent of 356 strains submitted to NCDC in 1967 were inhibited at the same sulfadiazine concentrations.

(Reported by Bacterial Diseases Section and Statistics Section, Epidemiology Program, and Bacterial Reference Unit and Bacterial Serology Unit, Laboratory Program, NCDC.)

PRELIMINARY SUMMARY
HUMAN BRUCELLOSIS – United States 1967

In 1967, a total of 248 cases of brucellosis in 35 states was reported to NCDC. This is the lowest number of cases reported since 1947[1] (Figure 7). Iowa reported the highest number of cases for an individual state (35 cases). Virginia, Texas, and California reported 29, 27, and 21 cases, respectively. Seasonal trends of human brucellosis in 1967, by date of report, revealed that June was the highest month with 35 reported cases. The lowest number of cases, 12, was reported in February. Brucellosis surveillance reports on 207 of the 248 cases were submitted to the Zoonoses Surveillance Unit, NCDC. Of these 207 patients, 181 were males and 107 were packinghouse workers. Probable sources of infection for the packinghouse workers included 51 exposed to swine, 14 exposed to cattle, 34 exposed to cattle and swine, 1 exposed to goats or sheep, and 7 with unknown exposure. Of the 207 patients, six patients were Alaskan Eskimos who were exposed to caribou as the probable source of infection.

Figure 7
REPORTED HUMAN BRUCELLOSIS
UNITED STATES, 1947–1967*



*PRELIMINARY DATA

SOURCE: NATIONAL MORBIDITY REPORTS

(Reported by Veterinary Public Health Section and Statistics, Section, NCDC.)

[1] 1947 mark, the year of highest reported incidence of human brucellosis.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 17,000, IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

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ATTN: THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY

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